2113

OIPE

RAW SEQUENCE LISTING DATE: 02/19/2002
PATENT APPLICATION: **US/09/902,903** TIME: 14:08:10

Input Set : **D:\CRF sequence listing.txt**
Output Set: **N:\CRF3\02192002\I902903.raw**

<110> APPLICANT: Genentech, Inc.
Ashkenazi, Avi
Botstein, David
Desnoyers, Luc
Eaton, Dan L.
Ferrara, Napoleone
Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, A.
Godowski, Paul J.
Grimaldi, Christopher J.
Gurney, Austin L.
Hillan, Kenneth, J.
Kljavin, Ivar J.
Mather, Jennie P.
Pan, James
Paoni, Nicholas F.
Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
Williams, P. Mickey
Wood, William, I.

<120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same

<130> FILE REFERENCE: 10466-14

C--> **<140> CURRENT APPLICATION NUMBER: US/09/902,903**

C--> **<141> CURRENT FILING DATE: 2001-07-10**

<150> PRIOR APPLICATION NUMBER: PCT/US00/04414
<151> PRIOR FILING DATE: 2000-02-22
<150> PRIOR APPLICATION NUMBER: US 60/143,048
<151> PRIOR FILING DATE: 1999-07-07
<150> PRIOR APPLICATION NUMBER: US 60/145,698
<151> PRIOR FILING DATE: 1999-07-26
<150> PRIOR APPLICATION NUMBER: US 60/146,222
<151> PRIOR FILING DATE: 1999-07-28
<150> PRIOR APPLICATION NUMBER: PCT/US99/20594
<151> PRIOR FILING DATE: 1999-09-08
<150> PRIOR APPLICATION NUMBER: PCT/US99/20944
<151> PRIOR FILING DATE: 1999-09-13
<150> PRIOR APPLICATION NUMBER: PCT/US99/21090

ENTERED

RAW SEQUENCE LISTING DATE: 02/19/2002
PATENT APPLICATION: US/09/902,903 TIME: 14:08:11

Input Set : D:\CRF sequence listing.txt
Output Set: N:\CRF3\02192002\I902903.raw

```
56 <151> PRIOR FILING DATE: 1999-09-15
58 <150> PRIOR APPLICATION NUMBER: PCT/US99/21547
59 <151> PRIOR FILING DATE: 1999-09-15
61 <150> PRIOR APPLICATION NUMBER: PCT/US99/23089
62 <151> PRIOR FILING DATE: 1999-10-05
64 <150> PRIOR APPLICATION NUMBER: PCT/US99/28214
65 <151> PRIOR FILING DATE: 1999-11-29
67 <150> PRIOR APPLICATION NUMBER: PCT/US99/28313
68 <151> PRIOR FILING DATE: 1999-11-30
70 <150> PRIOR APPLICATION NUMBER: PCT/US99/28564
71 <151> PRIOR FILING DATE: 1999-12-02
73 <150> PRIOR APPLICATION NUMBER: PCT/US99/28565
74 <151> PRIOR FILING DATE: 1999-12-02
76 <150> PRIOR APPLICATION NUMBER: PCT/US99/30095
77 <151> PRIOR FILING DATE: 1999-12-16
79 <150> PRIOR APPLICATION NUMBER: PCT/US99/30911
80 <151> PRIOR FILING DATE: 1999-12-20
82 <150> PRIOR APPLICATION NUMBER: PCT/US99/30999
83 <151> PRIOR FILING DATE: 1999-12-20
84 <150> PRIOR APPLICATION NUMBER: PCT/US00/00219
85 <151> PRIOR FILING DATE: 2000-01-05
87 <160> NUMBER OF SEQ ID NOS: 423
90 <210> SEQ ID NO: 1
91 <211> LENGTH: 1825
92 <212> TYPE: DNA
93 <213> ORGANISM: Homo sapiens
95 <400> SEQUENCE: 1
96 actgcacctc ggttctatcg attgaattcc ccggggatcc tctagagatc cctcgacctc 60
97 gacccacgcg tccgggccgg agcagcacgg ccgcaggacc tggagctccg gctgcgtctt 120
98 cccgcagcgc tacccgccat gcgcctgccg cgccgggccg cgctggggct cctgccgctt 180
99 ctgctgctgc tgccgcccgc gccggaggcc gccaagaagc cgacgccctg ccaccggtgc 240
100 cgggggctgg tggacaagtt taaccagggg atggtggaca ccgcaaagaa gaactttggc 300
101 ggcgggaaca cggcttggga ggaaaagacg ctgtccaagt acgagtccag cgagattcgc 360
102 ctgctggaga tcctggaggg gctgtgcgag agcagcgact tcgaatgcaa tcagatgcta 420
103 gaggcgcagg aggagcacct ggaggcctgg tggctgcagc tgaagagcga atatcctgac 480
104 ttattcgagt ggttttgtgt gaagacactg aaagtgtgct gctctccagg aacctacggt 540
105 cccgactgtc tcgcatgcca gggcggatcc cagaggccct gcagcgggaa tggccactgc 600
106 agcggagatg ggagcagaca gggcgacggg tcctgccggt gccacatggg gtaccagggc 660
107 ccgctgtgca ctgactgcat ggacggctac ttcagctcgc tccggaacga gacccacagc 720
108 atctgcacag cctgtgacga gtcctgcaag acgtgctcgg gcctgaccaa cagagactgc 780
109 ggcgagtgtg aagtgggctg ggtgctggac gagggcgcct gtgtggatgt ggacgagtgt 840
110 gcggccgagc cgcctccctg cagcgctgcg cagttctgta agaacgccaa cggctcctac 900
111 acgtgcgaag agtgtgactc cagctgtgtg ggctgcacag gggaaggccc aggaaactgt 960
112 aaagagtgta tctctggcta cgcgagggag cacggacagt gtgcagatgt ggacgagtgc 1020
113 tcactagcag aaaaaacctg tgtgaggaaa aacgaaaact gctacaatac tccagggagc 1080
114 tacgtctgtg tgtgtcctga cggcttcgaa gaaacggaag atgcctgtgt gccgccggca 1140
115 gaggctgaag ccacagaagg agaaagcccg acacagctgc cctcccgcga agacctgtaa 1200
116 tgtgccggac ttacccttta aattattcag aaggatgtcc cgtggaaaat gtggccctga 1260
117 ggatgccgtc tcctgcagtg gacagcggcg gggagaggct gcctgctctc taacggttga 1320
```

RAW SEQUENCE LISTING DATE: 02/19/2002
PATENT APPLICATION: **US/09/902,903** TIME: 14:08:11

Input Set : **D:\CRF sequence listing.txt**
Output Set: **N:\CRF3\02192002\I902903.raw**

```
ttctcatttg tcccttaaac agctgcattt cttggttgtt cttaaacaga cttgtatatt 1380
ttgatacagt tctttgtaat aaaattgacc attgtaggta atcaggagga aaaaaaaaaa 1440
aaaaaaaaaa aaagggcggc cgcgactcta gagtcgacct gcagaagctt ggccgccatg 1500
gcccaacttg tttattgcag cttataatgg ttacaaataa agcaatagca tcacaaattt 1560
cacaaataaa gcatttttt cactgcattc tagttgtggt ttgtccaaac tcatcaatgt 1620
atcttatcat gtctggatcg ggaattaatt cggcgcagca ccatggcctg aaataacctc 1680
tgaaagagga acttggttag gtaccttctg aggcggaaag aaccagctgt ggaatgtgtg 1740
tcagttaggg tgtggaaagt ccccaggctc cccagcaggc agaagtatgc aagcatgcat 1800
ctcaattagt cagcaaccca gtttt                                      1825
<210> SEQ ID NO: 2
<211> LENGTH: 353
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 2
Met Arg Leu Pro Arg Arg Ala Ala Leu Gly Leu Leu Pro Leu Leu Leu
 1               5                  10                  15
Leu Leu Pro Pro Ala Pro Glu Ala Ala Lys Lys Pro Thr Pro Cys His
            20                  25                  30
Arg Cys Arg Gly Leu Val Asp Lys Phe Asn Gln Gly Met Val Asp Thr
        35                  40                  45
Ala Lys Lys Asn Phe Gly Gly Gly Asn Thr Ala Trp Glu Glu Lys Thr
    50                  55                  60
Leu Ser Lys Tyr Glu Ser Ser Glu Ile Arg Leu Leu Glu Ile Leu Glu
65                  70                  75                  80
Gly Leu Cys Glu Ser Ser Asp Phe Glu Cys Asn Gln Met Leu Glu Ala
                85                  90                  95
Gln Glu Glu His Leu Glu Ala Trp Trp Leu Gln Leu Lys Ser Glu Tyr
            100                 105                 110
Pro Asp Leu Phe Glu Trp Phe Cys Val Lys Thr Leu Lys Val Cys Cys
        115                 120                 125
Ser Pro Gly Thr Tyr Gly Pro Asp Cys Leu Ala Cys Gln Gly Gly Ser
    130                 135                 140
Gln Arg Pro Cys Ser Gly Asn Gly His Cys Ser Gly Asp Gly Ser Arg
145                 150                 155                 160
Gln Gly Asp Gly Ser Cys Arg Cys His Met Gly Tyr Gln Gly Pro Leu
                165                 170                 175
Cys Thr Asp Cys Met Asp Gly Tyr Phe Ser Ser Leu Arg Asn Glu Thr
            180                 185                 190
His Ser Ile Cys Thr Ala Cys Asp Glu Ser Cys Lys Thr Cys Ser Gly
        195                 200                 205
Leu Thr Asn Arg Asp Cys Gly Glu Cys Glu Val Gly Trp Val Leu Asp
    210                 215                 220
Glu Gly Ala Cys Val Asp Val Asp Glu Cys Ala Ala Glu Pro Pro Pro
225                 230                 235                 240
Cys Ser Ala Ala Gln Phe Cys Lys Asn Ala Asn Gly Ser Tyr Thr Cys
                245                 250                 255
Glu Glu Cys Asp Ser Ser Cys Val Gly Cys Thr Gly Glu Gly Pro Gly
            260                 265                 270
Asn Cys Lys Glu Cys Ile Ser Gly Tyr Ala Arg Glu His Gly Gln Cys
```

RAW SEQUENCE LISTING DATE: 02/19/2002
PATENT APPLICATION: US/09/902,903 TIME: 14:08:11

Input Set : D:\CRF sequence listing.txt
Output Set: N:\CRF3\02192002\I902903.raw

```
186         275                 280                 285
188 Ala Asp Val Asp Glu Cys Ser Leu Ala Glu Lys Thr Cys Val Arg Lys
189     290                 295                 300
191 Asn Glu Asn Cys Tyr Asn Thr Pro Gly Ser Tyr Val Cys Val Cys Pro
192 305                 310                 315                 320
194 Asp Gly Phe Glu Glu Thr Glu Asp Ala Cys Val Pro Pro Ala Glu Ala
195                 325                 330                 335
197 Glu Ala Thr Glu Gly Glu Ser Pro Thr Gln Leu Pro Ser Arg Glu Asp
198             340                 345                 350
200 Leu
203 <210> SEQ ID NO: 3
204 <211> LENGTH: 2206
205 <212> TYPE: DNA
206 <213> ORGANISM: Homo sapiens
208 <400> SEQUENCE: 3
209 caggtccaac tgcacctcgg ttctatcgat tgaattcccc ggggatcctc tagagatccc 60
210 tcgacctcga cccacgcgtc cgccaggccg ggaggcgacg cgcccagccg tctaaacggg 120
211 aacagccctg gctgagggag ctgcagcgca gcagagtatc tgacggcgcc aggttgcgta 180
212 ggtgcggcac gaggagtttt cccggcagcg aggaggtcct gagcagcatg gcccggagga 240
213 gcgccttccc tgccgccgcg ctctggctct ggagcatcct cctgtgcctg ctggcactgc 300
214 gggcggaggc cgggccgccg caggaggaga gcctgtacct atggatcgat gctcaccagg 360
215 caagagtact cataggattt gaagaagata tcctgattgt ttcagagggg aaaatggcac 420
216 cttttacaca tgatttcaga aaagcgcaac agagaatgcc agctattcct gtcaatatcc 480
217 attccatgaa ttttacctgg caagctgcag ggcaggcaga atacttctat gaattcctgt 540
218 ccttgcgctc cctggataaa ggcatcatgg cagatccaac cgtcaatgtc cctctgctgg 600
219 gaacagtgcc tcacaaggca tcagttgttc aagttggttt cccatgtctt ggaaaacagg 660
220 atggggtggc agcatttgaa gtggatgtga ttgttatgaa ttctgaaggc aacaccattc 720
221 tccaaacacc tcaaaatgct atcttcttta aaacatgtca acaagctgag tgcccaggcg 780
222 ggtgccgaaa tggaggcttt tgtaatgaaa gacgcatctg cgagtgtcct gatgggttcc 840
223 acggacctca ctgtgagaaa gccctttgta ccccacgatg tatgaatggt ggactttgtg 900
224 tgactcctgg tttctgcatc tgcccacctg gattctatgg agtgaactgt gacaaagcaa 960
225 actgctcaac cacctgcttt aatggaggga cctgtttcta ccctggaaaa tgtatttgcc 1020
226 ctccaggact agagggagag cagtgtgaaa tcagcaaatg cccacaaccc tgtcgaaatg 1080
227 gaggtaaatg cattggtaaa agcaaatgta agtgttccaa aggttaccag ggagacctct 1140
228 gttcaaagcc tgtctgcgag cctggctgtg gtgcacatgg aacctgccat gaacccaaca 1200
229 aatgccaatg tcaagaaggt tggcatggaa gacactgcaa taaaaggtac gaagccagcc 1260
230 tcatacatgc cctgaggcca gcaggcgccc agctcaggca gcacacgcct tcacttaaaa 1320
231 aggccgagga gcggcgggat ccacctgaat ccaattacat ctggtgaact ccgacatctg 1380
232 aaacgtttta agttacacca agttcatagc ctttgttaac ctttcatgtg ttgaatgttc 1440
233 aaataatgtt cattacactt aagaatactg gcctgaattt tattagcttc attataaatc 1500
234 actgagctga tatttactct tccttttaag ttttctaagt acgtctgtag catgatggta 1560
235 tagattttct tgtttcagtg ctttgggaca gattttatat tatgtcaatt gatcaggtta 1620
236 aaattttcag tgtgtagttg gcagatattt tcaaaattac aatgcattta tggtgtctgg 1680
237 gggcagggga acatcagaaa ggttaaattg ggcaaaaatg cgtaagtcac aagaatttgg 1740
238 atggtgcagt taatgttgaa gttacagcat ttcagatttt attgtcagat atttagatgt 1800
239 ttgttacatt tttaaaaatt gctcttaatt tttaaactct caatacaata tattttgacc 1860
240 ttaccattat tccagagatt cagtattaaa aaaaaaaaaa ttacactgtg gtagtggcat 1920
241 ttaaacaata taatatattc taaacacaat gaaataggga atataatgta tgaacttttt 1980
242 gcattggctt gaagcaatat aatatattgt aaacaaaaca cagctcttac ctaataaaca 2040
```

RAW SEQUENCE LISTING DATE: 02/19/2002
PATENT APPLICATION: US/09/902,903 TIME: 14:08:11

Input Set : D:\CRF sequence listing.txt
Output Set: N:\CRF3\02192002\I902903.raw

```
243 ttttatactg tttgtatgta taaaataaag gtgctgcttt agtttttgg aaaaaaaaaa 2100
244 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcggccgc gactctagag tcgacctgca 2160
245 gaagcttggc cgccatggcc caacttgttt attgcagctt ataatg                2206
247 <210> SEQ ID NO: 4
248 <211> LENGTH: 379
249 <212> TYPE: PRT
250 <213> ORGANISM: Homo sapiens
252 <400> SEQUENCE: 4
253 Met Ala Arg Arg Ser Ala Phe Pro Ala Ala Ala Leu Trp Leu Trp Ser
254   1               5                  10                  15
256 Ile Leu Leu Cys Leu Leu Ala Leu Arg Ala Glu Ala Gly Pro Pro Gln
257              20                  25                  30
259 Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala Arg Val Leu
260          35                  40                  45
262 Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu Gly Lys Met Ala
263      50                  55                  60
265 Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln Arg Met Pro Ala Ile
266  65                  70                  75                  80
268 Pro Val Asn Ile His Ser Met Asn Phe Thr Trp Gln Ala Ala Gly Gln
269                  85                  90                  95
271 Ala Glu Tyr Phe Tyr Glu Phe Leu Ser Leu Arg Ser Leu Asp Lys Gly
272             100                 105                 110
274 Ile Met Ala Asp Pro Thr Val Asn Val Pro Leu Leu Gly Thr Val Pro
275         115                 120                 125
277 His Lys Ala Ser Val Val Gln Val Gly Phe Pro Cys Leu Gly Lys Gln
278     130                 135                 140
280 Asp Gly Val Ala Ala Phe Glu Val Asp Val Ile Val Met Asn Ser Glu
281 145                 150                 155                 160
283 Gly Asn Thr Ile Leu Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr
284                 165                 170                 175
286 Cys Gln Gln Ala Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys
287             180                 185                 190
289 Asn Glu Arg Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His
290         195                 200                 205
292 Cys Glu Lys Ala Leu Cys Thr Pro Arg Cys Met Asn Gly Gly Leu Cys
293     210                 215                 220
295 Val Thr Pro Gly Phe Cys Ile Cys Pro Pro Gly Phe Tyr Gly Val Asn
296 225                 230                 235                 240
298 Cys Asp Lys Ala Asn Cys Ser Thr Thr Cys Phe Asn Gly Gly Thr Cys
299                 245                 250                 255
301 Phe Tyr Pro Gly Lys Cys Ile Cys Pro Pro Gly Leu Glu Gly Glu Gln
302             260                 265                 270
304 Cys Glu Ile Ser Lys Cys Pro Gln Pro Cys Arg Asn Gly Gly Lys Cys
305         275                 280                 285
307 Ile Gly Lys Ser Lys Cys Lys Cys Ser Lys Gly Tyr Gln Gly Asp Leu
308     290                 295                 300
310 Cys Ser Lys Pro Val Cys Glu Pro Gly Cys Gly Ala His Gly Thr Cys
311 305                 310                 315                 320
313 His Glu Pro Asn Lys Cys Gln Cys Gln Glu Gly Trp His Gly Arg His
```

Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY DATE: 02/19/2002
PATENT APPLICATION: **US/09/902,903** TIME: 14:08:12

Input Set : **D:\CRF sequence listing.txt**
Output Set: **N:\CRF3\02192002\I902903.raw**

L:34 M:270 C: Current Application Number differs, Replaced Current Application Number
L:35 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:1706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:3591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113
L:4045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131
L:5349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174
L:5484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175
L:6545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206